	INTERNATIONAL S	EARCH REPO	RT	International appli	cation No.
				PCT/JP2	004/011809
	CATION OF SUBJECT MATTE C22C38/00, C21D9				
According to Into	ernational Patent Classification	PCT/JP2004/011809 RECT MATTER 00, C21D9/08 Classification (IPC) or to both national classification and IPC d (classification system followed by classification symbols) 10-38/60, C21D8/10, 9/08 In minimum documentation to the extent that such documents are included in the fields searched of 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004 an Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004 ring the international search (name of data base and, where practicable, search terms used)			
B. FIELDS SE.	· ·				
Minimum docum	nentation searched (classification	system followed	by classification symbols)		
Int.Cl'	C22C38/00-38/60,	C21D8/10,	9/08		·
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Electronic data b	ase consulted during the interna	tional search (nam	e of data base and, where p	racticable, search te	rms used)
C. DOCUMEN	ITS CONSIDERED TO BE REI	LEVANT			
Cotonomit	Citation of document xx	ith indication who	ere anningriate of the relevi	ant naccanec	Relevant to claim No.

Category* X Y	Citation of document, with indication, where appropriate, of the relevant passages JP 2001-279392 A (Sumitomo Metal Industries, Ltd.), 10 October, 2001 (10.10.01), Claims; column 7, line 34 to column 12, line 48; table 1; steel No. e, i, l	Relevant to claim No. 1,2,4-12 3,13-23
	Ltd.), 10 October, 2001 (10.10.01), Claims; column 7, line 34 to column 12, line 48; table 1; steel No. e, i, l	- ·
	(Family: none)	
Y	JP 3-75337 A (Nippon Steel Corp.), 29 March, 1991 (29.03.91), Claims; page 3, lower right column, lines 11 to 15; page 5, upper right column, line 16 to page 6, upper left column, line 13 (Family: none)	3,17

×	Further documents are listed in the continuation of Box C.	See patent family annex.		
* "A" "E" "O" "P"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed	"Y" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date	of the actual completion of the international search 12 November, 2004 (12.11.04)	Date of mailing of the international search report 30 November, 2004 (30.11.04)		
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
	mile No.	Telephone No.		
C T	DOTES A 1210 (see send cheet) (Topyory 2004)			

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/011809

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-4009 A (Kawasaki Steel Corp.), 09 January, 2002 (09.01.02), Claims; column 7, lines 29 to 35 (Family: none)	13-23
A	<pre>JP 2001-179485 A (Sumitomo Metal Industries, Ltd.), 03 July, 2001 (03.07.01), Claims (Family: none)</pre>	1-23
A	JP 2002-129278 A (Sumitomo Metal Industries, Ltd.), 09 May, 2002 (09.05.02), Claims; column 8, lines 18 to 27 (Family: none)	1-23
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